(19) World Intellectual Property **Organization**

International Bureau



(43) International Publication Date 9 June 2005 (09.06.2005)

PCT

(10) International Publication Number WO 2005/052111 A1

- (51) International Patent Classification7: C11D 17/00, 3/18
- (21) International Application Number:

PCT/GB2004/004862

(22) International Filing Date:

18 November 2004 (18.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0327088.1 21 November 2003 (21.11.2003)

- (71) Applicant (for all designated States except MN, US): RECKITT BENCKISER INC [US/US]; Morris Corporate Center IV, 399 Interpace Parkway, Parsippany, NJ 07054 (US).
- (71) Applicant (for MN only): RECKITT BENCKISER (UK) LIMITED [GB/GB]; 103-105 Bath Road, Slough, Berkshire SL1 3UH (GB).
- (72) Inventor; and
- Inventor/Applicant (for US only): MCLELLAN, Anthony [US/US]; 21 Honeyman Drive, Flemington, NJ 08822 (US).
- (74) Agent: BOWERS, Craig, M.; Reckitt Benckiser plc, Group Patents Department, Dansom Lane, Hull HU8 7DS (GB).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT. AU. AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
- of inventorship (Rule 4.17(iv)) for US only

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CLEANING COMPOSITIONS

(57) Abstract: Improved treatment blocks useful in the treatment of lavatory appliances, particularly toilets are provided. The improved treatment blocks are solid block compositions which comprise at least one detersive surfactant, a hydrocarbon solvent constituent, and one or more further optional constituents, including bleach constituents. The improved treatment blocks provide improved processing and handling characteristics. Methods of producing the solid block composition and treatment blocks therefrom, as well as methods of use are also disclosed.



